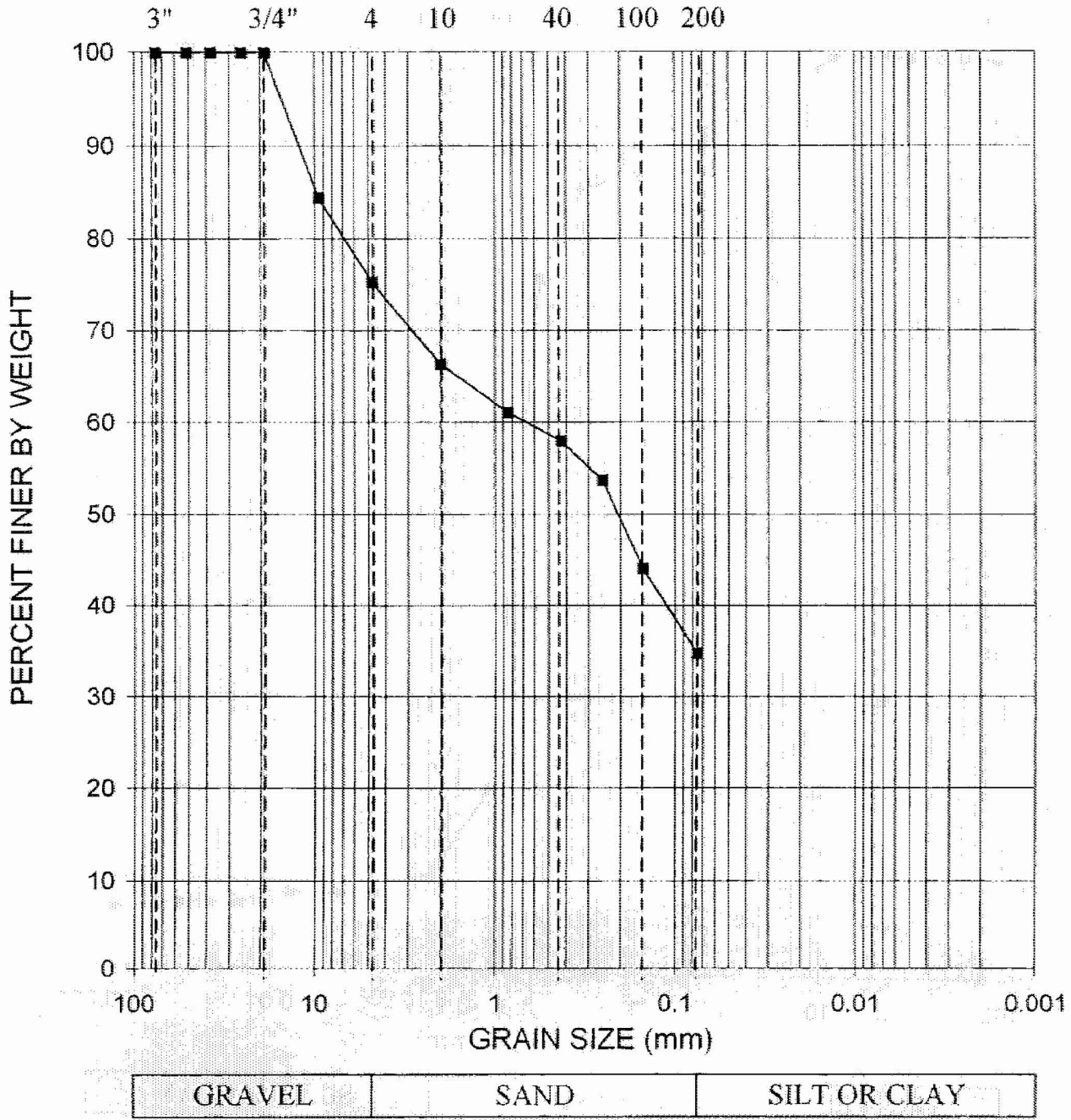


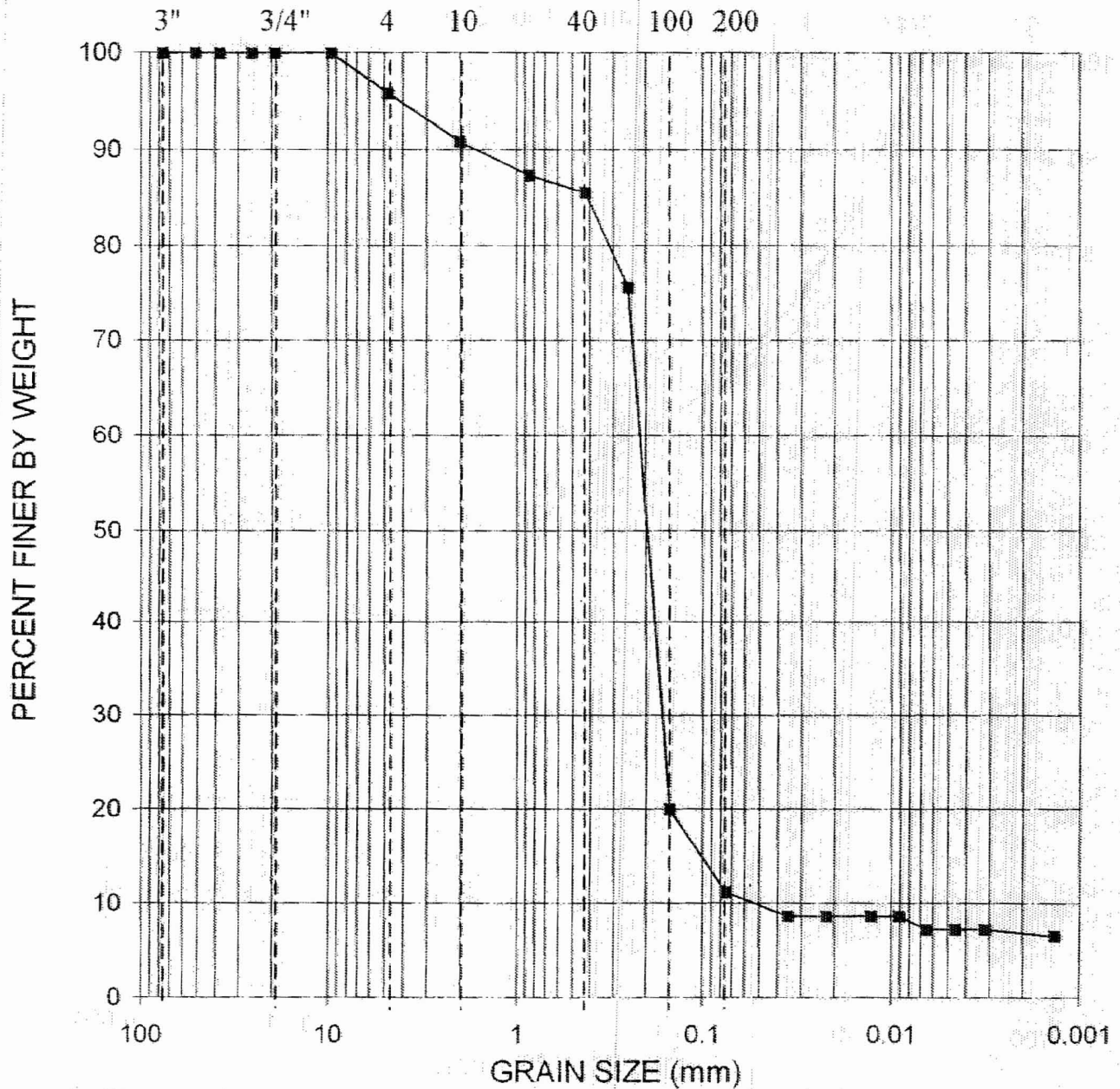
U.S. Standard Sieve Nos.



GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/15/2006
Boring No.:	Depth (ft):	Sample Description:	Class:	LL:	PI:		
B-427	93.5	Silty SAND, with shells, gray	SM				

U.S. Standard Sieve Nos.



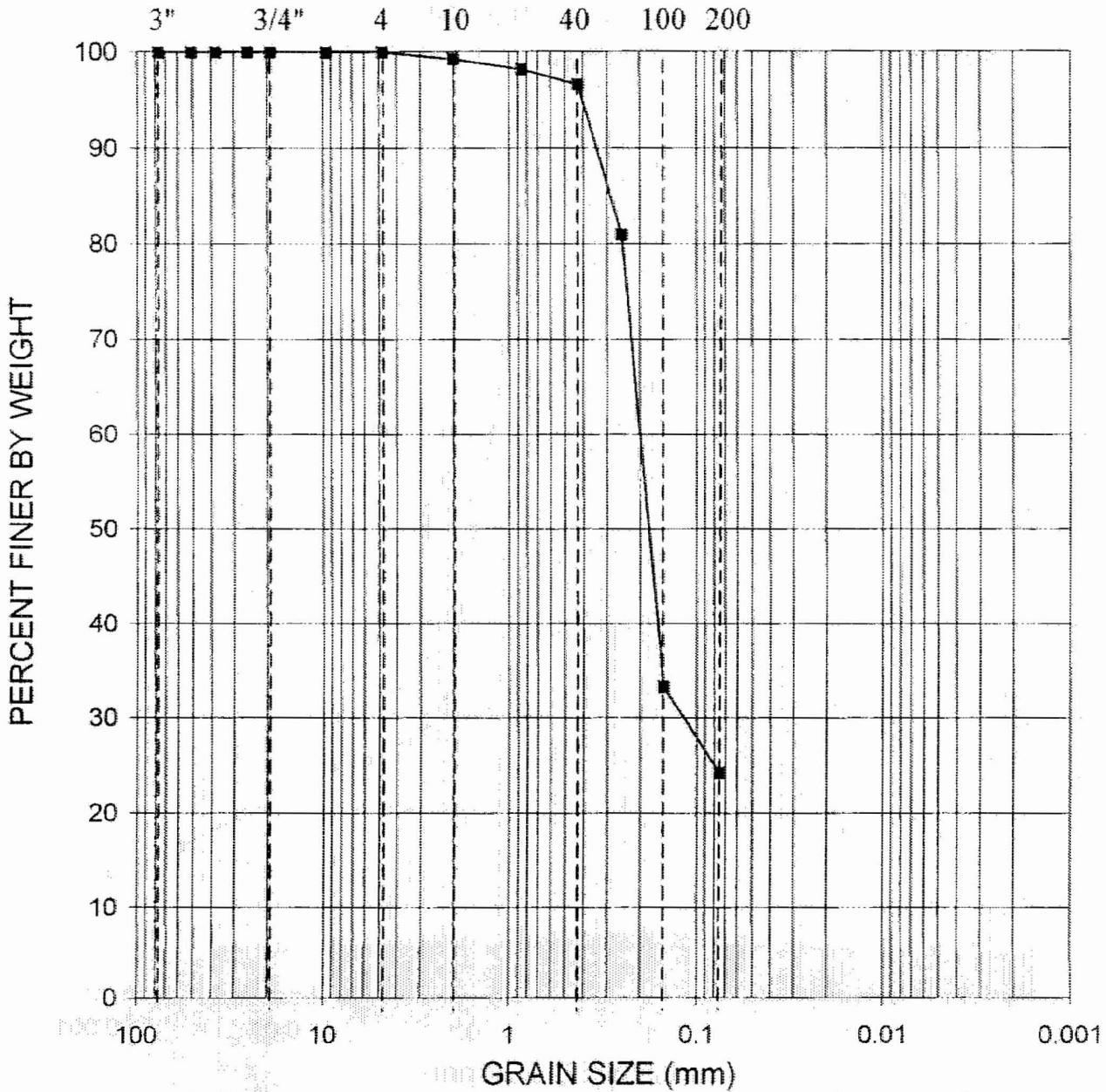
GRAVEL SAND SILT OR CLAY

GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland		Contract No. 06120048.00	Date: 9/22/2006
Boring No.	Depth (ft)	Sample Description	Class	LL PI
B-427	103.5	Poorly Graded SAND, with silt, trace shells, gray	SP-SM	



U.S. Standard Sieve Nos.

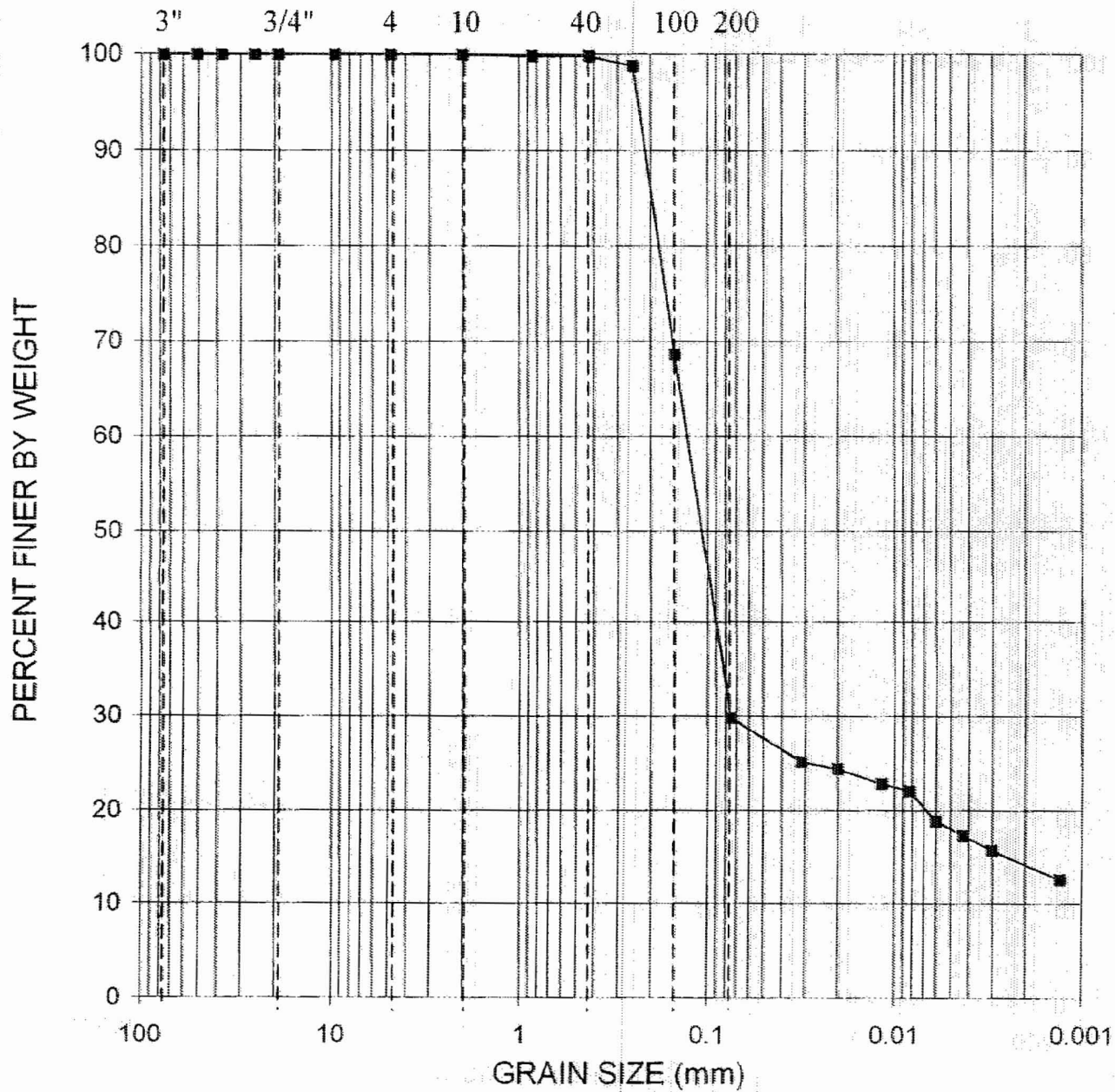


GRAVEL SAND SILT OR CLAY

GRADATION CURVE
ASTM D422

Project	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.	06120048.00	Date	9/15/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI		
B-427	118.5	Silty SAND, contains shells, gray	SM				

U.S. Standard Sieve Nos.



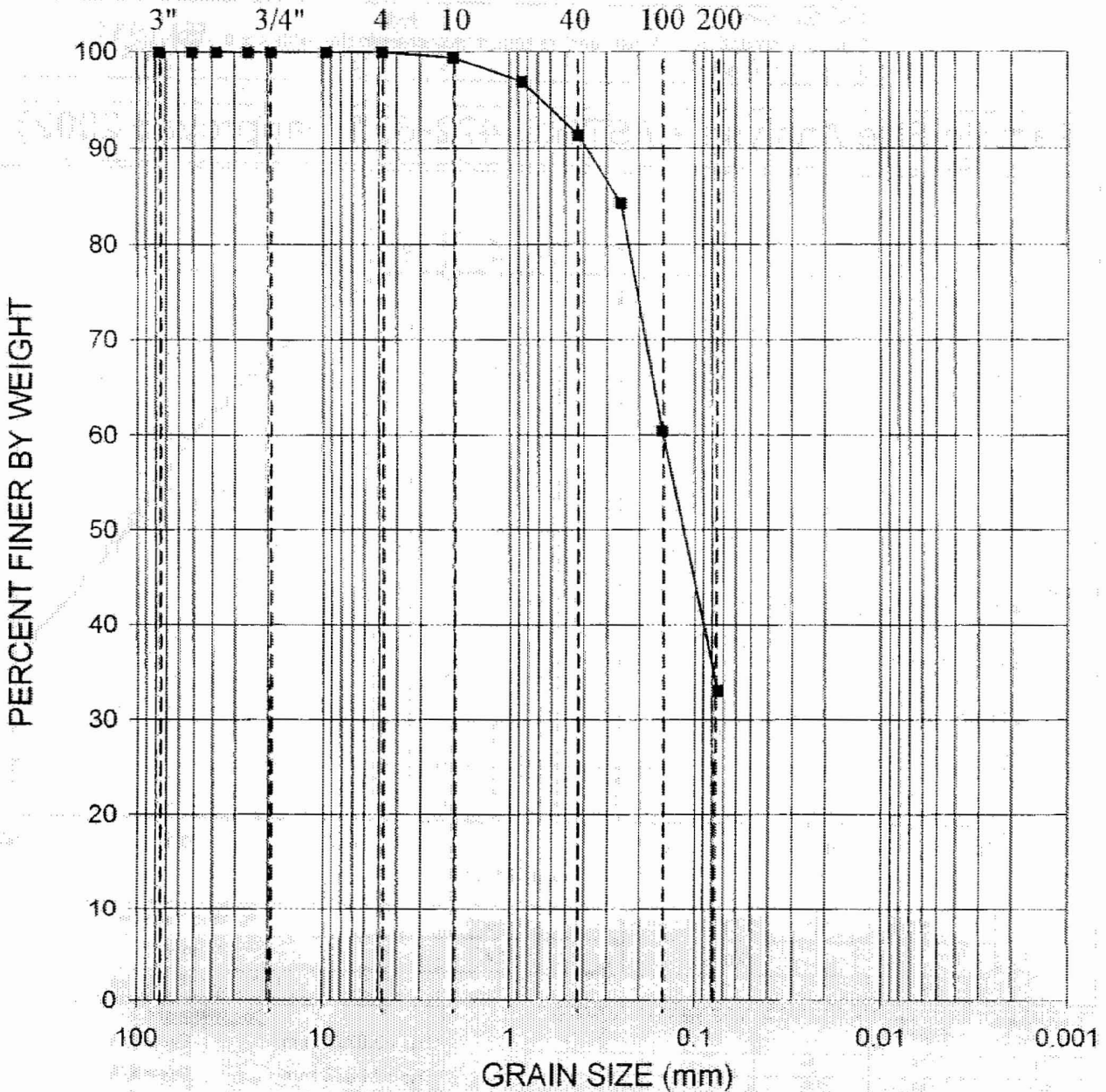
GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No. 06120048.00	Date 9/22/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI
B-427	138.5	Silty SAND, contains shells, gray	SM		



U.S. Standard Sieve Nos.

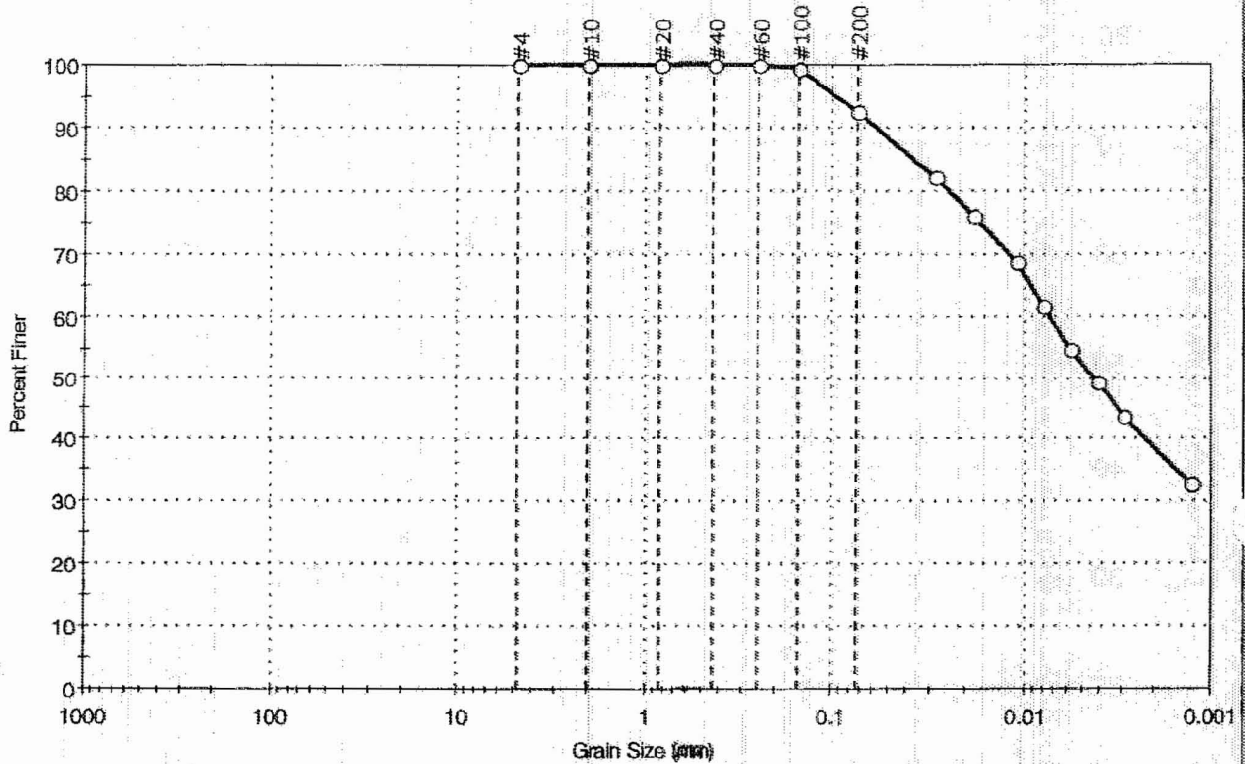


GeoTesting express

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Client: Schnabel Engineering, Inc.	Project: Subsurface Investigation Calvert Cliffs Nuclear PP	Project No: GTX-6880
Location: Calvert County, MD	Boring ID: B-428	Sample Type: tube
Sample ID: ---	Test Date: 10/27/06	Tested By: sam
Depth: 60-62 ft	Test ID: 101390	Checked By: mcm
Test Comment: ---	Sample Description: Moist, dark greenish gray ^{fat} organic clay with sand	BB/4/10/07
Sample Comment: ---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	0.0	7.4	92.6

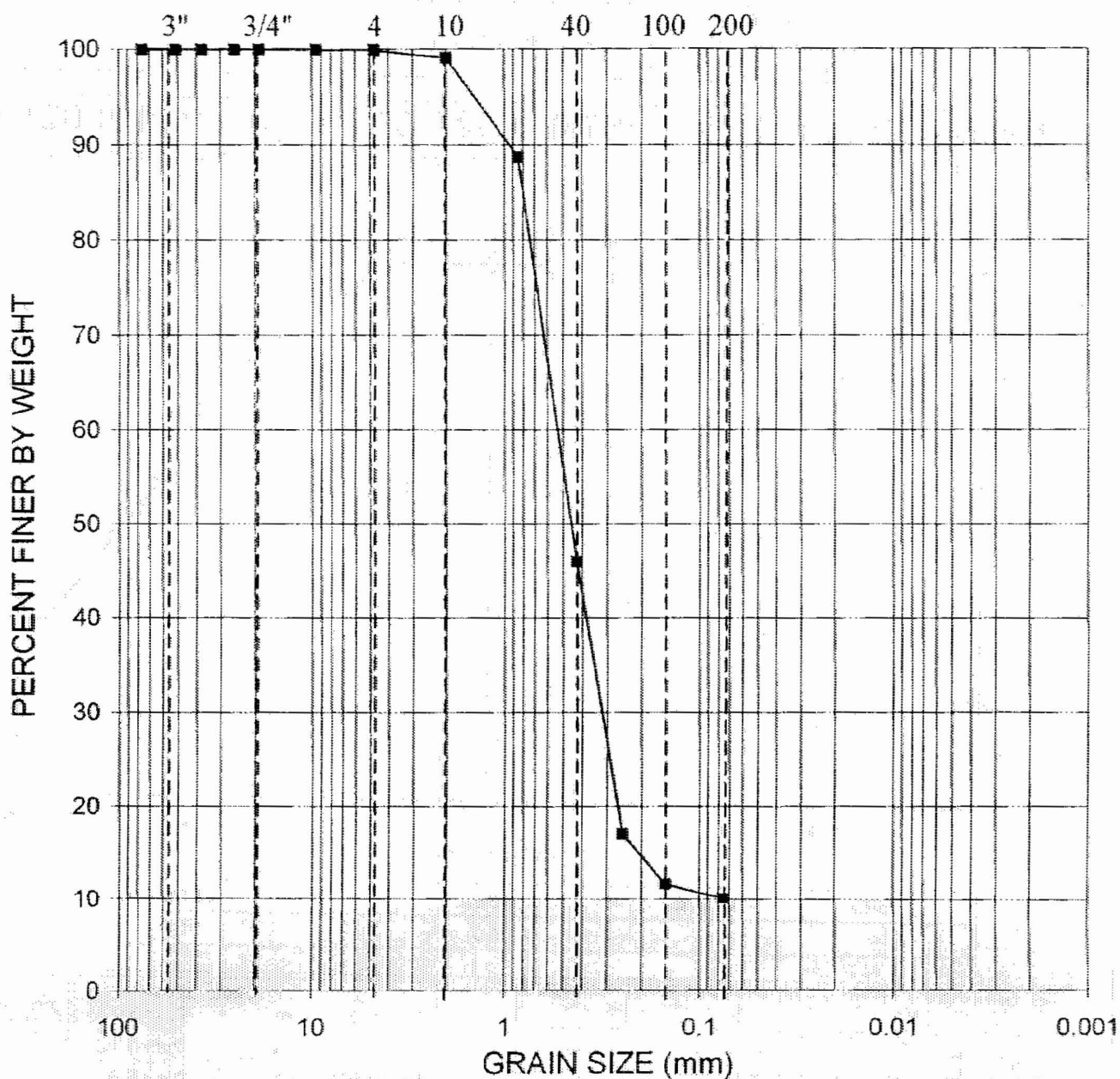
Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	100		
#40	0.425	100		
#60	0.25	100		
#100	0.15	99		
#200	0.075	93		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0292	82		
---	0.0188	76		
---	0.0108	69		
---	0.0075	62		
---	0.0057	55		
---	0.0041	49		
---	0.0029	44		
---	0.0013	33		

Coefficients	
D ₈₅ = 0.0371 mm	D ₃₀ = N/A
D ₆₀ = 0.0072 mm	D ₁₅ = N/A
D ₅₀ = 0.0043 mm	D ₁₀ = N/A
C _u = N/A	C _c = N/A

Classification	
ASTM	organic clay (OH) ^{fat} C BB/4/10/07
AASHTO	Clayey Soils (A-7-6 (48))

Sample / Test Description	
Sand/Gravel Particle Shape :	---
Sand/Gravel Hardness :	---

U.S. Standard Sieve Nos.



GRAVEL SAND SILT OR CLAY

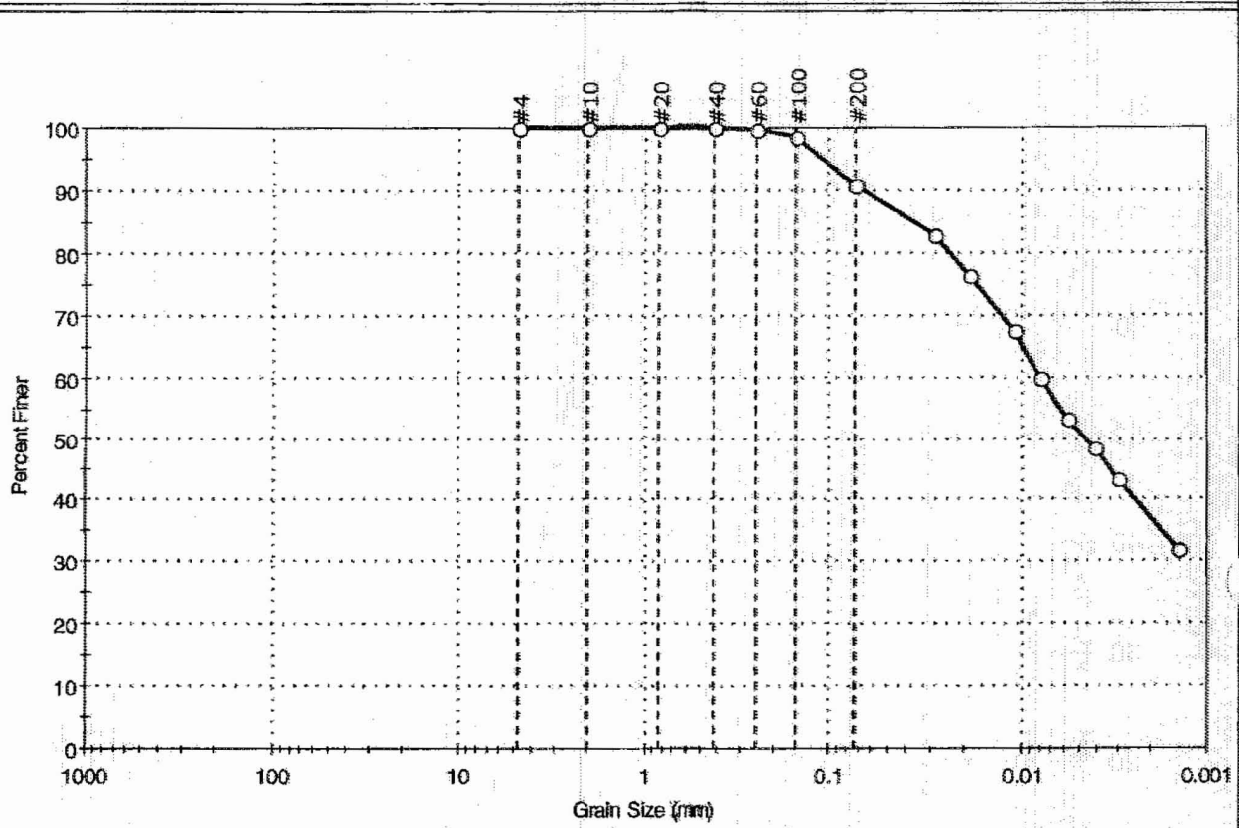
GRADATION CURVE

ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/15/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-433	10.5	Well Graded SAND, with silt, dark brown	SW-SM				

Client: Schnabel Engineering, Inc.	Project No: GTX-6880
Project: Subsurface Investigation Calvert Cliffs Nuclear PP	Tested By: sam
Location: Calvert County, MD	Checked By: mcm
Boring ID: B-433	Sample Type: tube
Sample ID: S-11	Test Date: 09/28/06
Depth: 38.5-40.5 ft	Test Id: 98613
Test Comment: ---	
Sample Description: Moist, very dark gray clay	
Sample Comment: ---	

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	9.0	91.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.84	100		
#40	0.42	100		
#60	0.25	100		
#100	0.15	99		
#200	0.074	91		
—	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
—	0.0288	83		
—	0.0187	76		
—	0.0110	68		
—	0.0075	60		
—	0.0058	53		
—	0.0041	46		
—	0.0030	43		
—	0.0014	32		

Coefficients

D ₈₅ = 0.0369 mm	D ₃₀ = N/A
D ₆₀ = 0.0079 mm	D ₁₅ = N/A
D ₅₀ = 0.0046 mm	D ₁₀ = N/A
C _u = N/A	C _c = N/A

Classification

ASTM fat clay (CH)

AASHTO Clayey Soils (A-7-6 (50))

Sample/Test Description

Sand/Gravel Particle Shape : ---

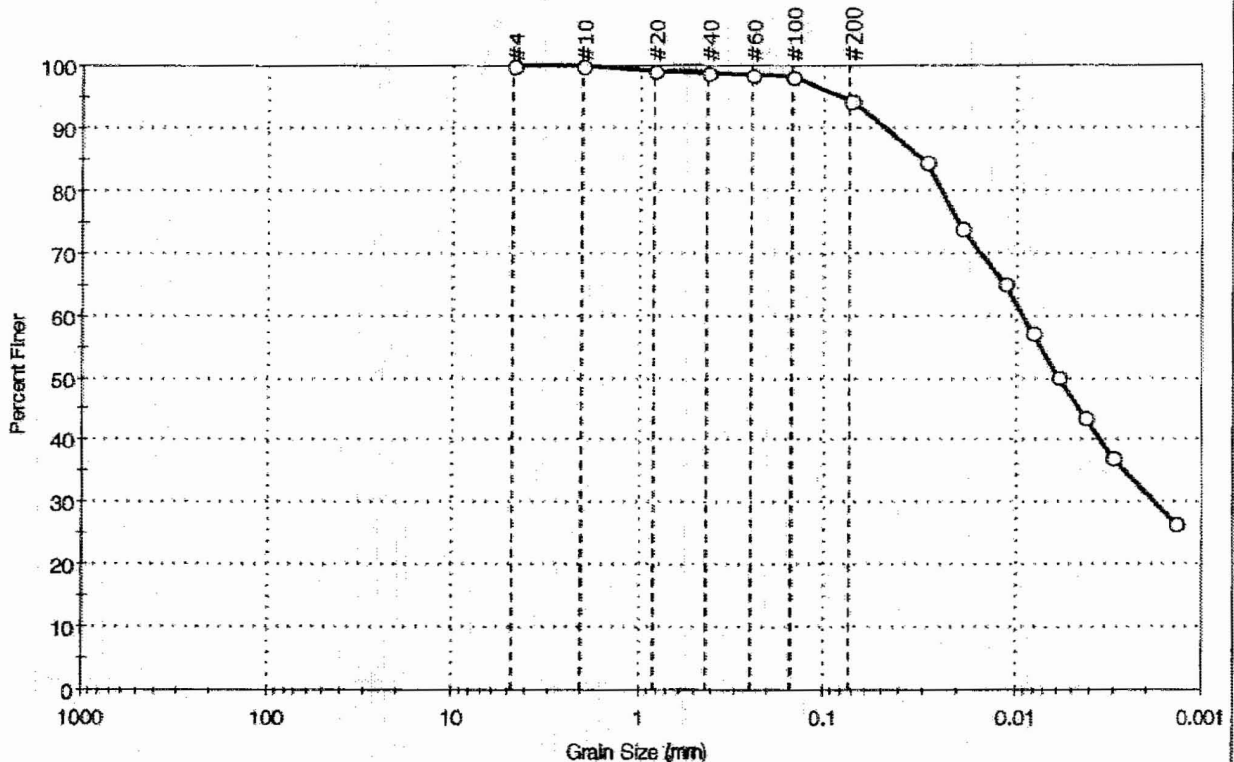
Sand/Gravel Hardness : ---

GeoTesting express

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Client: Schnabel Engineering, Inc.	Project No: GTX-6880
Project: Subsurface Investigation Calvert Cliffs Nuclear PP	
Location: Calvert County, MD	
Boring ID: B-433	Sample Type: tube
Sample ID: S-13	Test Date: 10/11/06
Depth: 48.5-50.5 ft	Test Id: 98631
Tested By: sam	Checked By: mcm
Test Comment: ---	
Sample Description: Moist, black clay with sand	
Sample Comment: ---	

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	5.5	94.5

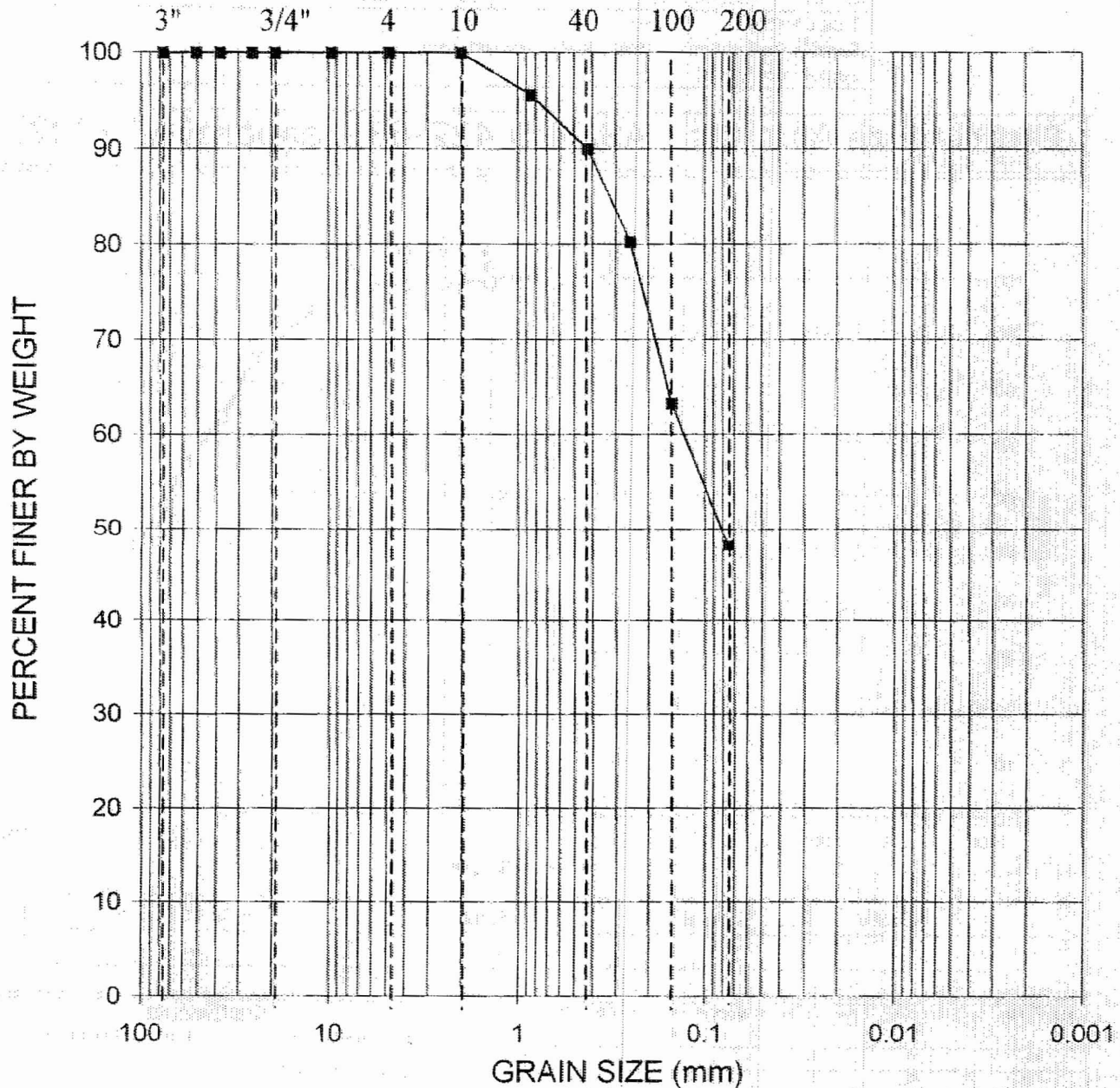
Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.84	99		
#40	0.42	99		
#60	0.25	99		
#100	0.15	96		
#200	0.074	95		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0297	85		
---	0.0192	74		
---	0.0113	65		
---	0.0082	57		
---	0.0059	50		
---	0.0043	44		
---	0.0031	37		
---	0.0014	27		

Coefficients	
D ₈₅ = 0.0303 mm	D ₃₀ = 0.0018 mm
D ₆₀ = 0.0091 mm	D ₁₅ = N/A
D ₅₀ = 0.0059 mm	D ₁₀ = N/A
C _u = N/A	C _c = N/A

Classification	
ASTM	fat clay (CH)
AASHTO	Clayey Soils (A-7-6 (49))

Sample/Test Description	
Sand/Gravel Particle Shape	: ---
Sand/Gravel Hardness	: ---

U.S. Standard Sieve Nos.

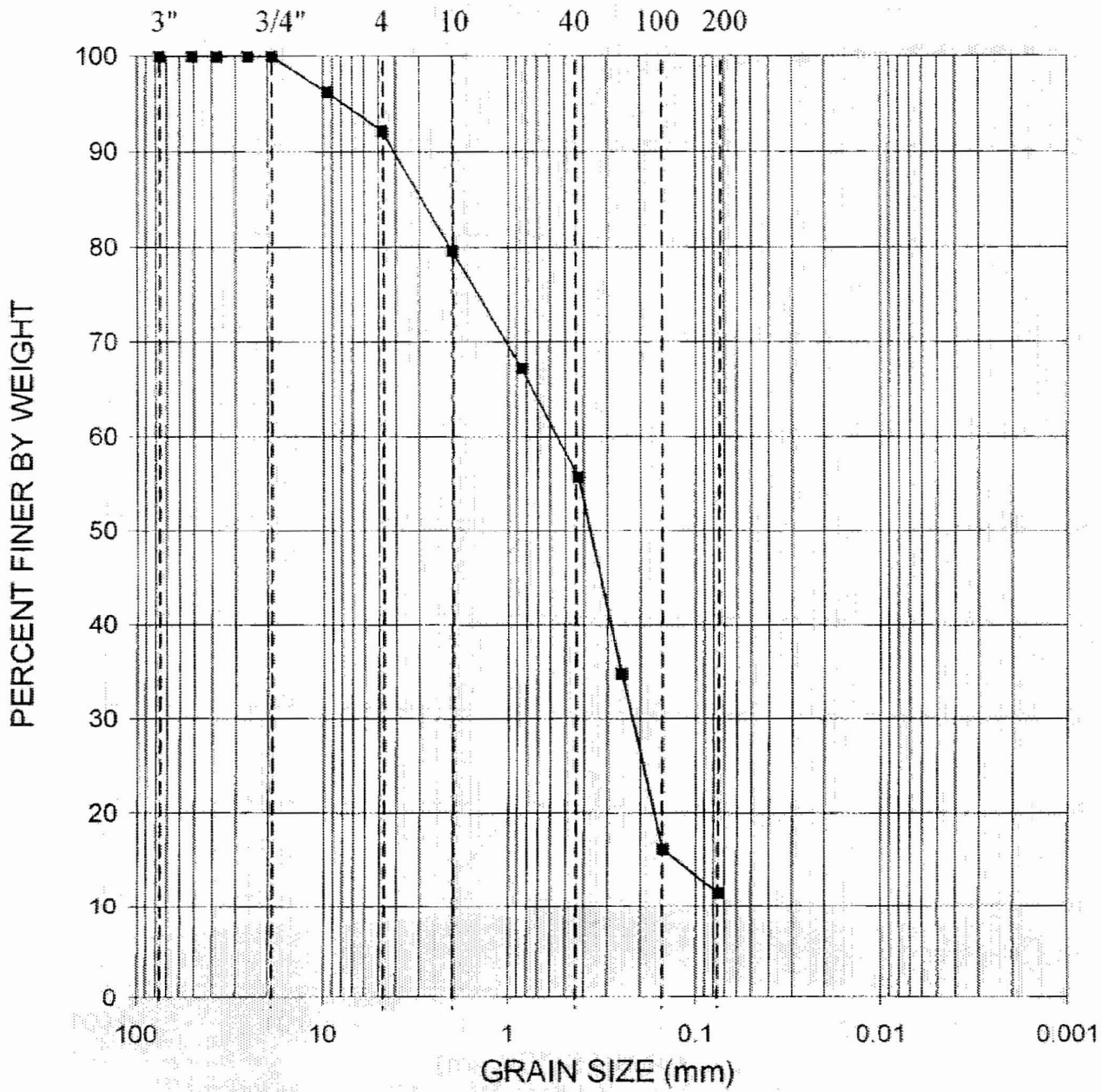


GRAVEL SAND SILT OR CLAY

GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/15/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-433	58.5	Silty SAND, dark brown	SM	44	9		

U.S. Standard Sieve Nos.

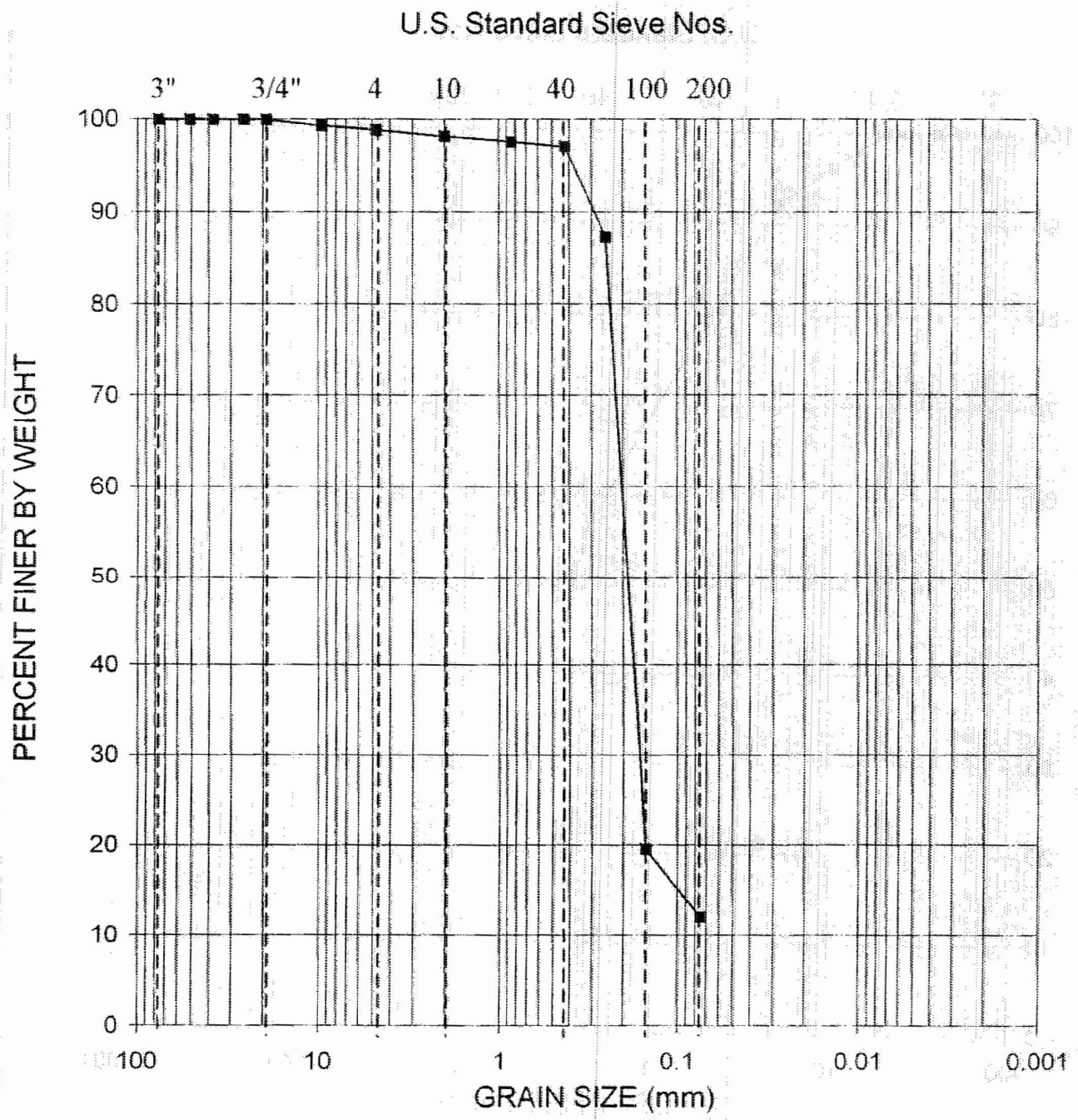


GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.: 06120048.00	Date: 9/15/2006
Boring No.	Depth (ft)	Sample Description	Class. LL PI
B-433	73.5	Well Graded SAND, with silt, trace shells, gray	SW-SM



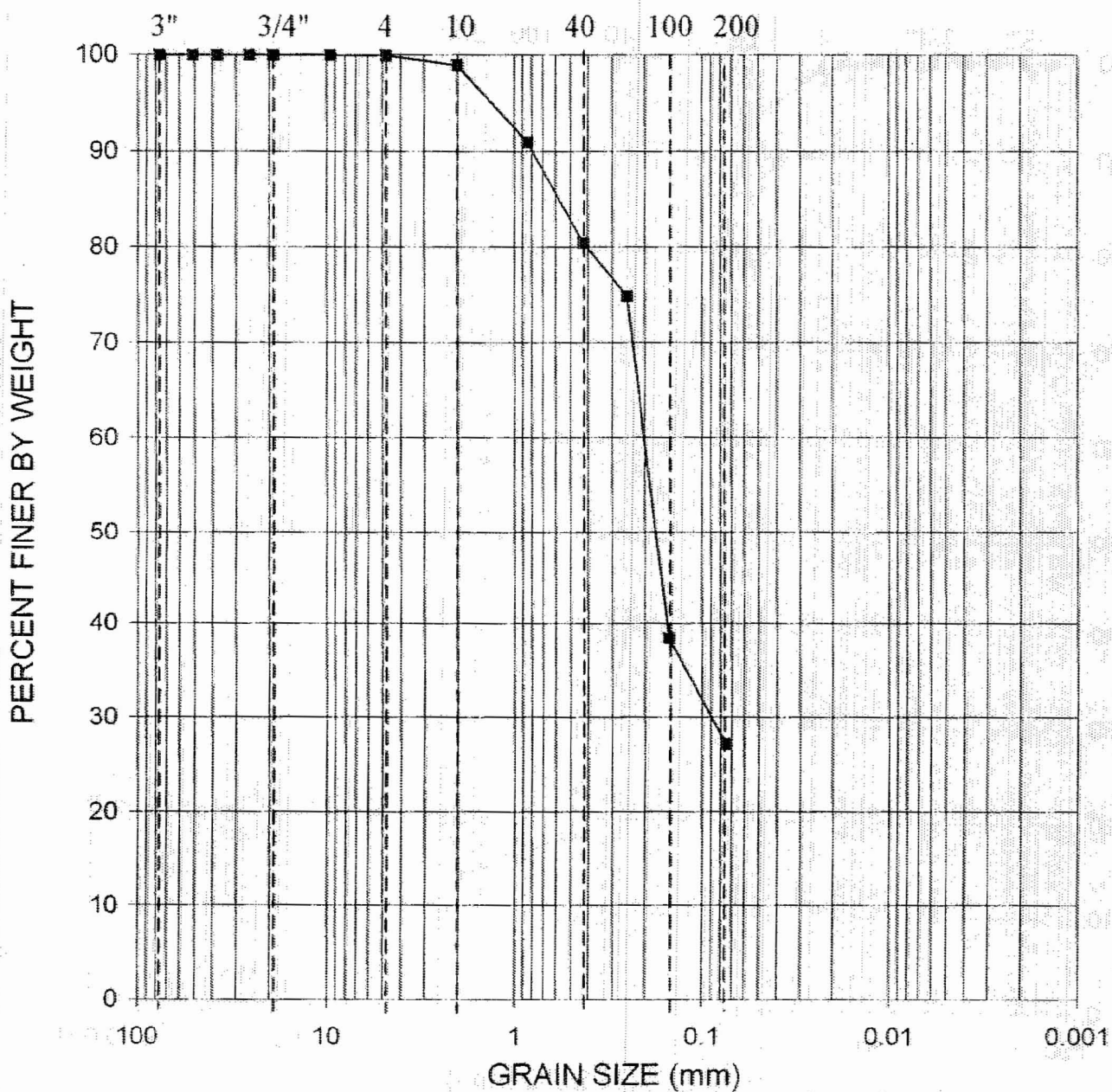


GRAVEL SAND SILT OR CLAY

GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/15/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI		
B-433	93.5	Sandy SILT, trace shells, gray	ML				

U.S. Standard Sieve Nos.



GRAVEL	SAND	SILT OR CLAY
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GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.: 06120048.00	Date: 9/18/2006		
Boring No.	Depth (ft)	Sample Description	Class	LL	PI
B-434	28.5	Silty SAND, light brown	SM		

